

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: William Boissier Examiner #: 67262 Date: 7/17  
Art Unit: 1744 Phone Number 308-4066 Serial Number: 12404154  
Mail Box and Bldg/Room Location: C03 7 E12 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.  
\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

*litigation*  
*US 5,965,453*

*No Litigation Reported*

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher: <u>Mellerson</u>	NA Sequence (#) _____	STN _____	
Searcher Phone #: <u>8-4483</u>	AA Sequence (#) _____	Dialog _____	
Searcher Location: _____	Structure (#) _____	Questel/Orbit <u>21.56</u>	
Date Searcher Picked Up: <u>7/17</u>	Bibliographic _____	Dr.Link _____	
Date Completed: <u>7/17</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis <u>40.00</u>	
Searcher Prep & Review Time: <u>2</u>	Fulltext _____	Sequence Systems _____	
Clerical Prep Time: <u>8</u>	Patent Family _____	WWW/Internet _____	
Online Time: _____	Other _____	Other (specify) _____	

BEST AVAILABLE COPY

**Mellerson, Kendra**

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**From:** Unknown@Unknown.com  
**Sent:** Wednesday, July 17, 2002 8:07 AM  
**To:** STIC-EIC1700@uspto.gov  
**Subject:** Generic form response

ResponseHeader=Commercial Database Search Request

AccessDB#= \_\_\_\_\_

LogNumber= \_\_\_\_\_

Searcher= \_\_\_\_\_

SearcherPhone= \_\_\_\_\_

SearcherBranch= \_\_\_\_\_

MyDate=Wed Jul 17 08:06:52 GMT-0400 (Eastern Daylight Time) 2002

submitto=STIC-EIC1700@uspto.gov

Name=William Beisner

Empno=67262

Phone=703-308-4006

Artunit=1744

Office=CP3-7E12

Serialnum=10/014,154

PatClass=435/287.6

Earliest=7/15/1995

Format3=email

Searchtopic=Please do a litigation search for the following patents:

US 6,180,395

US 5,965,453

US 5,827,675

Thank You.

Comments=

send=SEND

## Questel·Orbit QWEB

(C) QUESTEL 1994

QUESTEL.ORBIT (TM) 1998

17/07/02 17\*33\*12

Last connection: 17/07/02 17\*23\*32

WELCOME to QUESTEL.ORBIT-Your Guide to INTELLECTUAL PROPERTY  
www.questel.orbit.com - Gateway, documentation & IP resource  
- New Family displays w LEGAL option, etc: INFO NEWS- PLUSPAT  
- PlusPat Family w Legal Status in ONE record: INFO MFAMSTAT  
- Now 9 million Images w PlusPat displays : INFO IMG-PLUSPAT  
- Latest EP, WO & US Applications in One Alert: INFO APPALERT  
- New format and database names, see INFO COMPU-MARK  
- File access codes changes: INFO FILECODES  
- EPAPAT contains all unique EPTTEXT data. EPTTEXT file removed

Continue the search in Questel.Orbit: Y / N

**Query/Command : n**

..FILE / ..INFO / ..GUIDE

**Query/Command : file pluspat**

QUESTEL - Time in minutes : 0,76

The cost estimation below is based on Questel's  
standard price list

Estimated cost :	0.65	USD
Cost estimated for the last database search :	0.65	USD
Estimated total session cost :	0.65	USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.

Comprehensive Worldwide Patents database

New Family Legstat & LEGAL Displays; INFO MFAMSTAT & INFO NEWS-PLUSPAT

Last database update: 2002/07/17 ( YYYY/MM/DD) 2002-28/UP (basic update)

Search statement 1

**Query/Command : us5965453/pn**

**\*\* SS 1: Results 1**

Search statement 2

Questel-Orbit QWEB

Query/Command : prt full nonstop legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT		
PN	-	US5965453 A 19991012 [US5965453]
TI	-	(A) Test apparatus, system and method for the detection of test samples
PA	-	(A) CHARM SCIENCES INC (US)
IN	-	(A) SKIFFINGTON RICHARD (US); ZOMER ELIEZER (US)
AP	-	US9343398 19980608 [1998US-0093433]
PR	-	US9343398 19980608 [1998US-0093433] US108195P 19950712 [1995US-P001081] US758595P 19951127 [1995US-P007585]
IC	-	(A) C12M-001/30 C12Q-001/66
EC	-	B01L-003/00C6 C12M-001/30 C12Q-001/00 C12Q-001/66 G01N-033/12
PCL	-	ORIGINAL (O) : 436165000; CROSS-REFERENCE (X) : 422052000 422058000 435008000 435030000 435287600 435287700 435288200 435288700 435309100 436172000
DT	-	Basic
CT	-	US3713780; US3776220; US4311792; US4387725; US4409988; US4707450; US4770853; US4774173; US4929546; US4978504; US5077200; US5078968; US5223402; US5238649; US5827675; EP0309429; WO9507457 Lightning product brochure, IDEXX Laboratories, Inc., Feb. 1995.
STG	-	(A) United States patent
AB	-	The invention concerns a test apparatus for the testing of a test sample on or in a material such as body fluids or food, particularly adapted to a bioluminescent test, such as for the detection of ATP or phosphatase or other materials. The test apparatus includes a transparent tube having at one end a sample unit and at the other end a detachable or nondetachable test unit which are connected, and which includes a cover with a probe containing a swab at one end. The test apparatus includes probe positioning marks on the exterior of the sample unit, so that the probe may be moved between selected test positions, and as it moves from a non-use to a use position, various test reagents which are sealed within the test unit are punctured by the probe, and the test sample and the test reagents are reacted together in the test unit.
1 / 1 LGST - ©LEGSTAT		
PN	-	US 5965453 [US5965453]
AP	-	US 93433/98 19980608 [1998US-0093433]
DT	-	US-P

# Questel·Orbit QWEB

ACT	-	19980608 US/AE-A APPLICATION DATA (PATENT) US 93433/98 19980608 [1998US-0093433]  19991012 US/A PATENT
UP	-	1999-52

Query/Command : file inpadoc

PLUSPAT - Time in minutes : 0,75  
The cost estimation below is based on Questel's  
standard price list

	Estimated cost :	1.65	USD
Records displayed and billed :	1		
	Estimated cost :	1.10	USD
Cost estimated for the last database search :	2.75	USD	
Estimated total session cost :	3.40	USD	

LGST - Time in minutes : 0,13  
The cost estimation below is based on Questel's  
standard price list

	Estimated cost :	0.14	USD
Records displayed and billed :	1		
	Estimated cost :	0.57	USD
Legal-Status informations :	1		
	Estimated cost :	4.92	USD
Cost estimated for the last database search :	5.63	USD	
Estimated total session cost :	9.03	USD	

CRXX - Time in minutes : 0,05  
The cost estimation below is based on Questel's  
standard price list

	Estimated cost :	0.07	USD
Cost estimated for the last database search :	0.07	USD	
Estimated total session cost :	9.10	USD	

PAST - Time in minutes : 0,04  
The cost estimation below is based on Questel's  
standard price list

	Estimated cost :	0.07	USD
Cost estimated for the last database search :	0.07	USD	
Estimated total session cost :	9.17	USD	

LITA - Time in minutes : 0,04  
The cost estimation below is based on Questel's  
standard price list

	Estimated cost :	0.07	USD
Cost estimated for the last database search :	0.07	USD	
Estimated total session cost :	9.24	USD	

Selected file: INPADOC

You are now connected to INPADOC  
Covers 1968/1973 thru weekly updates (2002-28)  
For information on content, (..)INFO INPD.

# Questel·Orbit QWEB

Search statement 1

Query/Command : fam us5965453/pn

1 Patent Groups

**\*\* SS 1: Results 10**

Search statement 2

Query/Command : famstate nonstop

1 / 10 INPADOC - ©INPADOC		
PN	-	AU 47568/96 A1 19970210 [AU9647568]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD; ZOMER ELIEZER
PA	-	CHARM SCIENCES INC
AP	-	AU 47568/96-A 19960102 [1996AU-0047568]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585] WO 9600524/96(US)-W 19960102 [1996WO-US00524]
IC	-	C12Q-001/66; C12M-001/34
2 / 10 INPADOC - ©INPADOC		
PN	-	AU 713409 B2 19991202 [AU-713409]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD; ZOMER ELIEZER
PA	-	CHARM SCIENCES INC
AP	-	AU 47568/96-A 19960102 [1996AU-0047568]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585] WO 9600524/96(US)-W 19960102 [1996WO-US00524]
IC	-	C12Q-001/66; C12M-001/34

3 / 10 INPADOC - ©INPADOC		
PN	-	CA 2226857 AA 19970130 [CA2226857]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	CA 2226857/96-A 19960102 [1996CA-2226857]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12Q-001/18; C12M-001/26; C12M-001/34; C12M-001/40; C12Q-001/42; G01N-033/52
1 / 1 LEGALI - ©LEGSTAT		
PN	-	CA 2226857 [CA2226857]
DT	-	CA-P
ACTE	-	19980113 CA/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
UP	-	1998-31
4 / 10 INPADOC - ©INPADOC		
PN	-	EP 861330 A1 19980902 [EP-861330]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	EP 96903494/96-A 19960102 [1996EP-0903494]
PR	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/34
DS	-	BE* DE* DK* FR* GB* NL* SE*
1 / 1 LEGALI - ©LEGSTAT		

Questel·Orbit QWEB

<b>PN</b>	-	EP 861330 [EP-861330]
<b>AP</b>	-	EP 96903494/96 19960102 [1996EP-0903494]
<b>DT</b>	-	EP-P
<b>ACTE</b>	-	<p>19960102 EP/AE-A EP-APPLICATION EP 96903494/96 19960102 [1996EP-0903494]</p> <p>19980902 EP/AK-A1 [+] DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: BE DE DK FR GB NL SE</p> <p>19980902 EP/A1 [+] PUBLICATION OF APPLICATION WITH SEARCH REPORT</p> <p>19980902 EP/17P [+] REQUEST FOR EXAMINATION FILED 980211</p> <p>19980923 EP/RPR1 PRIORITY (CORRECTION) US 950712 1081 P * US 951127 7585 P</p> <p>19990203 EP/AK-A4 [+] DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: BE DE DK FR GB NL SE</p> <p>19990203 EP/A4 [+] SUPPLEMENTARY SEARCH REPORT 981221</p> <p>20010314 EP/17Q [+] FIRST EXAMINATION REPORT 20010125</p>
<b>UP</b>	-	2001-11
5 / 10 INPADOC - ©INPADOC		
<b>PN</b>	-	EP 861330 A4 19990203 [EP-861330]
<b>TI</b>	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
<b>LA</b>	-	ENG
<b>IN</b>	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
<b>PA</b>	-	CHARM SCIENCES INC [US]
<b>AP</b>	-	EP 96903494/96-A 19960102 [1996EP-0903494]
<b>PR</b>	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524]



		US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/34
DS	-	BE* DE* DK* FR* GB* NL* SE*
1 / 1 LEGALI - ©LEGSTAT		
PN	-	EP 861330 [EP-861330]
AP	-	EP 96903494/96 19960102 [1996EP-0903494]
DT	-	EP-P
ACTE	-	<p>19960102 EP/AE-A EP-APPLICATION EP 96903494/96 19960102 [1996EP-0903494]</p> <p>19980902 EP/AK-A1 [+] DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: BE DE DK FR GB NL SE</p> <p>19980902 EP/A1 [+] PUBLICATION OF APPLICATION WITH SEARCH REPORT</p> <p>19980902 EP/17P [+] REQUEST FOR EXAMINATION FILED 980211</p> <p>19980923 EP/RPR1 PRIORITY (CORRECTION) US 950712 1081 P * US 951127 7585 P</p> <p>19990203 EP/AK-A4 [+] DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: BE DE DK FR GB NL SE</p> <p>19990203 EP/A4 [+] SUPPLEMENTARY SEARCH REPORT 981221</p> <p>20010314 EP/17Q [+] FIRST EXAMINATION REPORT 20010125</p>
UP	-	2001-11
6 / 10 INPADOC - ©INPADOC		
PN	-	JP 11514849 T2 19991221 [JP11514849]

Questel·Orbit QWEB

AP	-	JP 505775/96-A 19960102 [1996JP-0505775]
PR	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12M-001/34; C12Q-001/00; C12Q-001/66; G01N-033/48; G01N-033/52
7 / 10 INPADOC - ©INPADOC		
PN	-	US 6180395 BA 20010130 [US6180395]
TI	-	REAGENT CHAMBER FOR TEST APPARATUS AND TEST APPARATUS
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	US 396127/99-A 19990914 [1999US-0396127]
PR	-	US 396127/99-A 19990914 [1999US-0396127] US 93433/98-A1 19980608 [1998US-0093433] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12M-001/30
1 / 1 LEGALI - ©LEGSTAT		
PN	-	US 6180395 [US6180395]
AP	-	US 396127/99 19990914 [1999US-0396127]
DT	-	US-P
ACTE	-	19990914 US/AE-A APPLICATION DATA (PATENT) US 396127/99 19990914 [1999US-0396127]  20010130 US/BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)  20020402 US/RF REISSUE APPLICATION FILED 20011206
UP	-	2002-17
8 / 10 INPADOC - ©INPADOC		
PN	-	US 5827675 A 19981027 [US5827675]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]

Questel·Orbit QWEB

<b>AP</b>	-	US 619586/96-A 19960326 [1996US-0619586]
<b>PR</b>	-	US 619586/96-A 19960326 [1996US-0619586] WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081]
<b>IC</b>	-	C12Q-001/66; C12M-001/30
1 / 1 LEGALI - ©LEGSTAT		
<b>PN</b>	-	US 5827675 [US5827675]
<b>AP</b>	-	US 619586/96 19960326 [1996US-0619586]
<b>DT</b>	-	US-P
<b>ACTE</b>	-	19960326 US/AE-A APPLICATION DATA (PATENT) US 619586/96 19960326 [1996US-0619586]  19960326 US/AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST CHARM SCIENCES, INC. 36 FRANKLIN STREET MALDEN, MASSACHUSETTS 02148 * SKIFFINGTON, RICHARD : 19960318; ZOMER, ELIEZER : 19960318  19981027 US/A PATENT
<b>UP</b>	-	2000-04
9 / 10 INPADOC - ©INPADOC		
<b>PN</b>	-	US 5965453 A 19991012 [US5965453]
<b>TI</b>	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
<b>IN</b>	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
<b>PA</b>	-	CHARM SCIENCES INC [US]
<b>AP</b>	-	US 93433/98-A 19980608 [1998US-0093433]
<b>PR</b>	-	US 93433/98-A 19980608 [1998US-0093433] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
<b>IC</b>	-	C12Q-001/66; C12M-001/30
1 / 1 LEGALI - ©LEGSTAT		
<b>PN</b>	-	US 5965453 [US5965453]
<b>AP</b>	-	US 93433/98 19980608 [1998US-0093433]
<b>DT</b>	-	US-P

Questel·Orbit QWEB

<b>ACTE</b>	-	19980608 US/AE-A APPLICATION DATA (PATENT) US 93433/98 19980608 [1998US-0093433]  19991012 US/A PATENT
<b>UP</b>	-	1999-52
<i>10 / 10 INPADOC - ©INPADOC</i>		
<b>PN</b>	-	WO 9703209 A1 19970130 [WO9703209]
<b>TI</b>	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
<b>LA</b>	-	ENG
<b>IN</b>	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
<b>PA</b>	-	CHARM SCIENCES INC [US]; SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
<b>AP</b>	-	WO US 9600524/96(US)-A 19960102 [1996WO-US00524]
<b>PR</b>	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
<b>IC</b>	-	C12Q-001/66; C12M-001/34
<b>DS</b>	-	AU* CA* JP* US* AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
<i>1 / 4 LEGALI - ©LEGSTAT</i>		
<b>PN</b>	-	JP 505775/97
<b>AP</b>	-	JP 505775/97 - [1997JP-0505775]
<b>DT</b>	-	JP-A
<b>ACTE</b>	-	19980112 JP/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
<b>UP</b>	-	1999-38
<i>2 / 4 LEGALI - ©LEGSTAT</i>		
<b>PN</b>	-	US 619586/96
<b>AP</b>	-	US 619586/96 - [1996US-0619586]
<b>DT</b>	-	US-A
<b>ACTE</b>	-	19960326 US/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
<b>UP</b>	-	1998-31

3 / 4 LEGALI - ©LEGSTAT		
PN	-	CA 2226857 [CA2226857]
DT	-	CA-P
ACTE	-	19980113 CA/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
UP	-	1998-31
4 / 4 LEGALI - ©LEGSTAT		
PN	-	WO 9703209 [WO9703209]
AP	-	WO 9600524/96(US) 19960102 [1996WO-US00524]
DT	-	WO-P
ACTE	-	<p>19960102 WO/AE-A APPLICATION DATA WO 9600524/96(US) 19960102 [1996WO-US00524]</p> <p>19960326 WO/ENP-A ENTRY INTO THE NATIONAL PHASE IN: &lt;US 96619586 19960326&gt;</p> <p>19970130 WO/AK-A1 [+] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU CA JP US</p> <p>19970130 WO/AL-A1 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE</p> <p>19970130 WO/A1 [+] PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT</p> <p>19970515 WO/DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE US</p> <p>19970521 WO/121 EP: PCT APP. ART. 158 (1)</p> <p>19980112 WO/ENP-A ENTRY INTO THE NATIONAL PHASE IN: &lt;JP 97505775&gt;</p>

Questel·Orbit QWEB

		19980113 WO/ENP-AA ENTRY INTO THE NATIONAL PHASE IN: <CA 2226857>
UP	-	1999-38

PATNO IS 5965453

DATE: JULY 17, 2002  
LIBRARY: PATENT  
FILE: ALL

Your search request is:  
PATNO IS 5965453

Number of PATENTS found with your search request through:  
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.  
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.  
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

1. 5965453 , October 12, 1999 , Test apparatus, system and method for the detection of test samples , Skiffington, Richard, Everett, MA; Zomer, Eliezer, Newton, MA, 00093433

CORE TERMS: sample, reagent, probe, chamber, swab, cylinder, microtube, buffer, tablet, package ...



UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5965453

<=1> GET 1st DRAWING SHEET OF 5

October 12, 1999

Test apparatus, system and method for the detection of test  
samples

APPL-NO: 00093433

FILED-DATE: June 8, 1998

GRANTED-DATE: October 12, 1999

CORE TERMS: sample, reagent, probe, chamber, swab, cylinder, microtube, buffer,  
tablet, package ...

ENGLISH-ABST:

The invention concerns a test apparatus for the testing of a test sample on or in a material, such as body fluids or food, particularly adapted to a bioluminescent test, such as for the detection of ATP or phosphatase or other materials. The test apparatus includes a transparent tube having at one end a sample unit and at the other end a detachable or nondetachable test unit which are connected, and which includes a cover with a probe containing a swab at one end. The test apparatus includes probe positioning marks on the exterior of the sample unit, so that the probe may be moved between selected test positions, and as it moves from a non-use to a use position, various test reagents which are sealed within the test unit are punctured by the probe, and the test sample and the test reagents are reacted together in the test unit.

5965453 OR 5,965,453

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

Access DB#

7/124

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: William Beisner Examiner #: 67262 Date: 7/17/02  
Art Unit: 1744 Phone Number 308-4006 Serial Number: 10104154  
Mail Box and Bldg/Room Location: CP3752 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Litigation

US 6,180,395

## STAFF USE ONLY

\*\*\*\*\*

	Type of Search	Vendors and cost where applicable
Searcher: <u>Mellerson</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>8-4483</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit <u>4262</u>
Date Searcher Picked Up: <u>7/17</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>7/17</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis <u>40.00</u>
Searcher Prep & Review Time: <u>2</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>8</u>	Other _____	Other (specify) _____

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**Mellerson, Kendra**

---

**From:** Unknown@Unknown.com  
**Sent:** Wednesday, July 17, 2002 8:07 AM  
**To:** STIC-EIC1700@uspto.gov  
**Subject:** Generic form response

ResponseHeader=Commercial Database Search Request

AccessDB#= \_\_\_\_\_

LogNumber= \_\_\_\_\_

Searcher= \_\_\_\_\_

SearcherPhone= \_\_\_\_\_

SearcherBranch= \_\_\_\_\_

MyDate=Wed Jul 17 08:06:52 GMT-0400 (Eastern Daylight Time) 2002

submitto=STIC-EIC1700@uspto.gov

Name=William Beisner

Empno=67262

Phone=703-308-4006

Artunit=1744

Office=CP3-7E12

Serialnum=10/014,154

PatClass=435/287.6

Earliest=7/15/1995

Format3=email

Searchtopic=Please do a litigation search for the following patents:

US 6,180,395

US 5,965,453

US 5,827,675

Thank You.

Comments=

send=SEND

## Questel·Orbit QWEB

(C) QUESTEL 1994

QUESTEL.ORBIT (TM) 1998

17/07/02 17\*23\*32

Last connection: 17/07/02 17\*21\*16

WELCOME to QUESTEL.ORBIT-Your Guide to INTELLECTUAL PROPERTY  
www.questel.orbit.com - Gateway, documentation & IP resource  
- New Family displays w LEGAL option, etc: INFO NEWS- PLUSPAT  
- PlusPat Family w Legal Status in ONE record: INFO MFAMSTAT  
- Now 9 million Images w PlusPat displays : INFO IMG-PLUSPAT  
- Latest EP, WO & US Applications in One Alert: INFO APPALERT  
- New format and database names, see INFO COMPU-MARK  
- File access codes changes: INFO FILECODES  
- EPAPAT contains all unique EPTXT data. EPTXT file removed

Continue the search in Questel.Orbit: Y / N

**Query/Command : n**

..FILE / ..INFO / ..GUIDE

**Query/Command : file pluspat**

QUESTEL - Time in minutes : 1,33  
The cost estimation below is based on Questel's  
standard price list

Estimated cost :	1.15	USD
Cost estimated for the last database search :	1.15	USD
Estimated total session cost :	1.15	USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database  
New Family Legstat & LEGAL Displays; INFO MFAMSTAT & INFO NEWS-PLUSPAT  
Last database update: 2002/07/17 ( YYYY/MM/DD) 2002-28/UP (basic update)

Search statement 1

**Query/Command : us6180395/pn**

Questel·Orbit QWEB

**\*\* SS 1: Results 1**

Search statement 2

Query/Command : prt full nonstop legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT		
PN	-	US6180395 B1 20010130 [US6180395]
TI	-	(B1) Reagent chamber for test apparatus and test apparatus
PA	-	(B1) CHARM SCIENCES INC (US)
IN	-	(B1) SKIFFINGTON RICHARD (US); ZOMER ELIEZER (US)
AP	-	US39612799 19990914 [1999US-0396127]
PR	-	US39612799 19990914 [1999US-0396127] US9343398 19980608 [1998US-0093433] US108195P 19950712 [1995US-P001081] US758595P 19951127 [1995US-P007585]
IC	-	(B1) C12M-001/30
EC	-	B01L-003/00C6 C12M-001/30 C12Q-001/00 C12Q-001/04 C12Q-001/10 C12Q-001/66 G01N-033/12
ICO	-	M12Q-304/60 S01N-001/02S S01N-021/03
PCL	-	ORIGINAL (O) : 435287600; CROSS-REFERENCE (X) : 435008000 435287700 435288200 435288700 435810000
DT	-	Corresponding document
CT	-	US3776220; US4312950; US4409988; US4707450; US4749655; US4770853; US5827675; US5965453; JP7-059555; WO9525948
STG	-	(B1) U.S. Patent (no pre-grant pub.) afterjan. 2, 2001
AB	-	A single use reagent chamber and a test apparatus for the detection of test samples, particularly by achemiluminescenttest. The chamber includes a cylinder sealed with probe-puncturable membranes into a sealed compartment with a reagent composition therein for the test used. The reagent chamber is used in a test unit of the test apparatus.
UP	-	2001-12
1 / 1 LGST - ©LEGSTAT		

Questel·Orbit QWEB

PN	-	US 6180395 [US6180395]
AP	-	US 396127/99 19990914 [1999US-0396127]
DT	-	US-P
ACT	-	19990914 US/AE-A APPLICATION DATA (PATENT) US 396127/99 19990914 [1999US-0396127]  20010130 US/BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)  20020402 US/RF REISSUE APPLICATION FILED 20011206
UP	-	2002-17

1 / 1 CRXX - ©CLAIMS/RRX

PN	-	6,180,395 A 20010130 [US6180395]
PA	-	Charm Sciences Inc
ACT	-	20021206 REISSUE REQUESTED ISSUE DATE OF O.G.: 20020402 REISSUE REQUEST NUMBER: 10/014154 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1744  Reissue Patent Number:

1 / 1 PAST - ©Thomson Derwent

AN	-	200214-001629
PN	-	6180395 A [US6180395]
OG	-	2002-04-02
ACT	-	REISSUE APPLICATION FILED

Query/Command : file inpadoc

PLUSPAT - Time in minutes : 0,58  
The cost estimation below is based on Questel's  
standard price list

Estimated cost :	1.27	USD
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Estimated cost :	1.10	USD
Cost estimated for the last database search :	2.37	USD
Estimated total session cost :	3.52	USD

LGST - Time in minutes : 0,21

## Questel·Orbit QWEB

The cost estimation below is based on Questel's standard price list

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Legal-Status informations :	1		
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The cost estimation below is based on Questel's standard price list

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	Estimated cost :	5.00	USD
Legal-Status informations :	1		
	Estimated cost :	4.92	USD
Cost estimated for the last database search :		9.99	USD
Estimated total session cost :		19.23	USD

PAST - Time in minutes : 0,20  
The cost estimation below is based on Questel's standard price list

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	Estimated cost :	5.61	USD
Legal-Status informations :	1		
	Estimated cost :	4.92	USD
Cost estimated for the last database search :		10.92	USD
Estimated total session cost :		30.15	USD

LITA - Time in minutes : 0,01  
The cost estimation below is based on Questel's standard price list

	Estimated cost :	0.01	USD
Cost estimated for the last database search :		0.01	USD
Estimated total session cost :		30.16	USD

Selected file: INPADOC

You are now connected to INPADOC  
Covers 1968/1973 thru weekly updates (2002-28)  
For information on content, (..)INFO INPD.

Search statement 1

**Query/Command : fam us6180395/pn**

1 Patent Groups

**\*\* SS 1: Results 10**

Search statement 2



Query/Command : famstate nonstop

1 / 10 INPADOC - ©INPADOC		
PN	-	AU 47568/96 A1 19970210 [AU9647568]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD; ZOMER ELIEZER
PA	-	CHARM SCIENCES INC
AP	-	AU 47568/96-A 19960102 [1996AU-0047568]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585] WO 9600524/96(US)-W 19960102 [1996WO-US00524]
IC	-	C12Q-001/66; C12M-001/34
2 / 10 INPADOC - ©INPADOC		
PN	-	AU 713409 B2 19991202 [AU-713409]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD; ZOMER ELIEZER
PA	-	CHARM SCIENCES INC
AP	-	AU 47568/96-A 19960102 [1996AU-0047568]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585] WO 9600524/96(US)-W 19960102 [1996WO-US00524]
IC	-	C12Q-001/66; C12M-001/34
3 / 10 INPADOC - ©INPADOC		
PN	-	CA 2226857 AA 19970130 [CA2226857]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	CA 2226857/96-A 19960102 [1996CA-2226857]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]

Questel·Orbit QWEB

IC	-	C12Q-001/66; C12Q-001/18; C12M-001/26; C12M-001/34; C12M-001/40; C12Q-001/42; G01N-033/52
1 / 1 LEGALI - ©LEGSTAT		
PN	-	CA 2226857 [CA2226857]
DT	-	CA-P
ACTE	-	19980113 CA/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
UP	-	1998-31
4 / 10 INPADOC - ©INPADOC		
PN	-	EP 861330 A1 19980902 [EP-861330]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	EP 96903494/96-A 19960102 [1996EP-0903494]
PR	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/34
DS	-	BE* DE* DK* FR* GB* NL* SE*
1 / 1 LEGALI - ©LEGSTAT		
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AP	-	EP 96903494/96 19960102 [1996EP-0903494]
DT	-	EP-P
ACTE	-	19960102 EP/AE-A EP-APPLICATION EP 96903494/96 19960102 [1996EP-0903494]  19980902 EP/AK-A1 [+] DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: BE DE DK FR GB NL SE  19980902 EP/A1 [+] PUBLICATION OF APPLICATION WITH SEARCH REPORT

		19980902 EP/17P [+] REQUEST FOR EXAMINATION FILED 980211
		19980923 EP/RPR1 PRIORITY (CORRECTION) US 950712 1081 P * US 951127 7585 P
		19990203 EP/AK-A4 [+] DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: BE DE DK FR GB NL SE
		19990203 EP/A4 [+] SUPPLEMENTARY SEARCH REPORT 981221
		20010314 EP/17Q [+] FIRST EXAMINATION REPORT 20010125
UP	-	2001-11
5 / 10 INPADOC - ©INPADOC		
PN	-	EP 861330 A4 19990203 [EP-861330]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	EP 96903494/96-A 19960102 [1996EP-0903494]
PR	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/34
DS	-	BE* DE* DK* FR* GB* NL* SE*
1 / 1 LEGALI - ©LEGSTAT		
PN	-	EP 861330 [EP-861330]
AP	-	EP 96903494/96 19960102 [1996EP-0903494]
DT	-	EP-P
ACTE	-	19960102 EP/AE-A EP-APPLICATION

		EP 96903494/96 19960102 [1996EP-0903494]  19980902 EP/AK-A1 [+] DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: BE DE DK FR GB NL SE  19980902 EP/A1 [+] PUBLICATION OF APPLICATION WITH SEARCH REPORT  19980902 EP/17P [+] REQUEST FOR EXAMINATION FILED 980211  19980923 EP/RPR1 PRIORITY (CORRECTION) US 950712 1081 P * US 951127 7585 P  19990203 EP/AK-A4 [+] DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: BE DE DK FR GB NL SE  19990203 EP/A4 [+] SUPPLEMENTARY SEARCH REPORT 981221  20010314 EP/17Q [+] FIRST EXAMINATION REPORT 20010125
UP	-	2001-11
6 / 10 INPADOC - ©INPADOC		
PN	-	JP 11514849 T2 19991221 [JP11514849]
AP	-	JP 505775/96-A 19960102 [1996JP-0505775]
PR	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12M-001/34; C12Q-001/00; C12Q-001/66; G01N-033/48; G01N-033/52
7 / 10 INPADOC - ©INPADOC		
PN	-	US 6180395 BA 20010130 [US6180395]
TI	-	REAGENT CHAMBER FOR TEST APPARATUS AND TEST APPARATUS
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]

Questel·Orbit QWEB

AP	-	US 396127/99-A 19990914 [1999US-0396127]
PR	-	US 396127/99-A 19990914 [1999US-0396127] US 93433/98-A1 19980608 [1998US-0093433] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12M-001/30
1 / 1 LEGALI - ©LEGSTAT		
PN	-	US 6180395 [US6180395]
AP	-	US 396127/99 19990914 [1999US-0396127]
DT	-	US-P
ACTE	-	19990914 US/AE-A APPLICATION DATA (PATENT) US 396127/99 19990914 [1999US-0396127]  20010130 US/BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)  20020402 US/RF REISSUE APPLICATION FILED 20011206
UP	-	2002-17
8 / 10 INPADOC - ©INPADOC		
PN	-	US 5827675 A 19981027 [US5827675]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	US 619586/96-A 19960326 [1996US-0619586]
PR	-	US 619586/96-A 19960326 [1996US-0619586] WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081]
IC	-	C12Q-001/66; C12M-001/30
1 / 1 LEGALI - ©LEGSTAT		
PN	-	US 5827675 [US5827675]
AP	-	US 619586/96 19960326 [1996US-0619586]
DT	-	US-P
ACTE	-	19960326 US/AE-A

Questel-Orbit QWEB

		APPLICATION DATA (PATENT) US 619586/96 19960326 [1996US-0619586]  19960326 US/AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST CHARM SCIENCES, INC. 36 FRANKLIN STREET MALDEN, MASSACHUSETTS 02148 * SKIFFINGTON, RICHARD : 19960318; ZOMER, ELIEZER : 19960318  19981027 US/A PATENT
UP	-	2000-04
9 / 10 INPADOC - ©INPADOC		
PN	-	US 5965453 A 19991012 [US5965453]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	US 93433/98-A 19980608 [1998US-0093433]
PR	-	US 93433/98-A 19980608 [1998US-0093433] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/30
1 / 1 LEGALI - ©LEGSTAT		
PN	-	US 5965453 [US5965453]
AP	-	US 93433/98 19980608 [1998US-0093433]
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ACTE	-	19980608 US/AE-A APPLICATION DATA (PATENT) US 93433/98 19980608 [1998US-0093433]  19991012 US/A PATENT
UP	-	1999-52
10 / 10 INPADOC - ©INPADOC		
PN	-	WO 9703209 A1 19970130 [WO9703209]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES

Questel·Orbit QWEB

LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]; SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
AP	-	WO US 9600524/96(US)-A 19960102 [1996WO-US00524]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/34
DS	-	AU* CA* JP* US* AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

1 / 4 LEGALI - ©LEGSTAT

PN	-	JP 505775/97
AP	-	JP 505775/97 - [1997JP-0505775]
DT	-	JP-A
ACTE	-	19980112 JP/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
UP	-	1999-38

2 / 4 LEGALI - ©LEGSTAT

PN	-	US 619586/96
AP	-	US 619586/96 - [1996US-0619586]
DT	-	US-A
ACTE	-	19960326 US/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
UP	-	1998-31

3 / 4 LEGALI - ©LEGSTAT

PN	-	CA 2226857 [CA2226857]
DT	-	CA-P
ACTE	-	19980113 CA/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
UP	-	1998-31

4 / 4 LEGALI - ©LEGSTAT

<b>PN</b>	-	WO 9703209 [WO9703209]
<b>AP</b>	-	WO 9600524/96(US) 19960102 [1996WO-US00524]
<b>DT</b>	-	WO-P
<b>ACTE</b>	-	<p>19960102 WO/AE-A APPLICATION DATA WO 9600524/96(US) 19960102 [1996WO-US00524]</p> <p>19960326 WO/ENP-A ENTRY INTO THE NATIONAL PHASE IN: &lt;US 96619586 19960326&gt;</p> <p>19970130 WO/AK-A1 [+] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU CA JP US</p> <p>19970130 WO/AL-A1 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE</p> <p>19970130 WO/A1 [+] PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT</p> <p>19970515 WO/DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE US</p> <p>19970521 WO/121 EP: PCT APP. ART. 158 (1)</p> <p>19980112 WO/ENP-A ENTRY INTO THE NATIONAL PHASE IN: &lt;JP 97505775&gt;</p> <p>19980113 WO/ENP-AA ENTRY INTO THE NATIONAL PHASE IN: &lt;CA 2226857&gt;</p>
<b>UP</b>	-	1999-38



PATNO IS 6180395

DATE: JULY 17, 2002  
LIBRARY: PATENT  
FILE: ALL

Your search request is:  
PATNO IS 6180395

Number of PATENTS found with your search request through:  
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.  
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.  
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

1. 6180395 , January 30, 2001 , Reagent chamber for test apparatus and test apparatus, Skiffington, Richard - Everett, Massachusetts; Zomer, Eliezer - Newton, Massachusetts, 09396127

CORE TERMS: sample, reagent, probe, chamber, swab, cylinder, microtube, buffer, tablet, sealed ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6180395

<=1> Get Drawing Sheet 1 of 6

January 30, 2001

Reagent chamber for test apparatus and test apparatus

APPL-NO: 09396127

FILED-DATE: September 14, 1999

GRANTED-DATE: January 30, 2001

CORE TERMS: sample, reagent, probe, chamber, swab, cylinder, microtube, buffer, tablet, sealed ...

ENGLISH-ABST:

A single use reagent chamber and a test apparatus for the detection of test samples, particularly by a chemiluminescent test. The chamber includes a cylinder sealed with probe-puncturable membranes into a sealed compartment with a reagent composition therein for the test used. The reagent chamber is used in a test unit of the test apparatus.

6180395 OR 6,180,395

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: William Boissier Examiner #: 67212 Date: 7/7/02  
Art Unit: 1744 Phone Number 308-44006 Serial Number: 10/014,54  
Mail Box and Bldg/Room Location: CP3 1712 Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.**

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

*litigation*

*US 5,827,675*

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*No Litigation Reported*

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Mellerson</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>8-4483</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit <u>20.03</u>
Date Searcher Picked Up: <u>7/7</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>7/7</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis <u>40.00</u>
Searcher Prep & Review Time: <u>2</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>8</u>	Other _____	Other (specify) _____

**Mellerson, Kendra**

---

**From:** Unknown@Unknown.com  
**Sent:** Wednesday, July 17, 2002 8:07 AM  
**To:** STIC-EIC1700@uspto.gov  
**Subject:** Generic form response

ResponseHeader=Commercial Database Search Request

AccessDB#= \_\_\_\_\_

LogNumber= \_\_\_\_\_

Searcher= \_\_\_\_\_

SearcherPhone= \_\_\_\_\_

SearcherBranch= \_\_\_\_\_

MyDate=Wed Jul 17 08:06:52 GMT-0400 (Eastern Daylight Time) 2002

submitto=STIC-EIC1700@uspto.gov

Name=William Beisner

Empno=67262

Phone=703-308-4006

Artunit=1744

Office=CP3-7E12

Serialnum=10/014,154

PatClass=435/287.6

Earliest=7/15/1995

Format3=email

Searchtopic=Please do a litigation search for the following patents:

US 6,180,395

US 5,965,453

US 5,827,675

Thank You.

Comments=

send=SEND

PATNO IS 5827675

DATE: JULY 17, 2002  
LIBRARY: PATENT  
FILE: ALL

Your search request is:  
PATNO IS 5827675

Number of PATENTS found with your search request through:  
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.  
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.  
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

1. 5827675 , October 27, 1998 , Test apparatus, system and method for the detection of test samples , Skiffington, Richard, Everett, MA; Zomer, Eliezer, Newton, MA, 08619586

CORE TERMS: sample, reagent, probe, chamber, swab, cylinder, microtube, buffer, tablet, package ...



UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5827675

<=1> GET 1st DRAWING SHEET OF 5

October 27, 1998

Test apparatus, system and method for the detection of test samples

APPL-NO: 08619586

FILED-DATE: March 26, 1996

GRANTED-DATE: October 27, 1998

CORE TERMS: sample, reagent, probe, chamber, swab, cylinder, microtube, buffer, tablet, package ...

ENGLISH-ABST:

The invention concerns a test apparatus for the testing of a test sample on or in a material, such as body fluids or food, particularly adapted to a bioluminescent test, such as for the detection of ATP or phosphatase or other materials. The test apparatus includes a transparent tube having at one end a sample unit and at the other end a detachable or nondetachable test unit which are connected, and which includes a cover with a probe containing a swab at one end. The test apparatus includes probe positioning marks on the exterior of the sample unit, so that the probe may be moved between selected test positions, and as it moves from a non-use to a use position, various test reagents which are sealed within the test unit are punctured by the probe, and the test sample and the test reagents are reacted together in the test unit.

5827675 OR 5,827,675

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

Questel·Orbit QWEB

Continue the search in Questel.Orbit: Y / N

Query/Command : n

..FILE / ..INFO / ..GUIDE

Query/Command : file pluspat

QUESTEL - Time in minutes : 0,73  
The cost estimation below is based on Questel's  
standard price list

Estimated cost :	0.63	USD
Cost estimated for the last database search :	0.63	USD
Estimated total session cost :	0.63	USD

Selected file: PLUSPAT

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Comprehensive Worldwide Patents database  
New Family Legstat & LEGAL Displays; INFO MFAMSTAT & INFO NEWS-PLUSPAT  
Last database update: 2002/07/17 ( YYYY/MM/DD) 2002-28/UP (basic update)

Search statement 1

Query/Command : us5827675/pn

**\*\* SS 1: Results 1**

Search statement 2

Query/Command : prt full nonstop legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image
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Questel·Orbit QWEB

<b>PN</b>	-	US5827675 A 19981027 [US5827675]
<b>TI</b>	-	(A) Test apparatus, system and method for the detection of test samples
<b>PA</b>	-	(A) CHARM SCIENCES INC (US)
<b>IN</b>	-	(A) SKIFFINGTON RICHARD (US); ZOMER ELIEZER (US)
<b>AP</b>	-	US61958696 19960326 [1996US-0619586]
<b>PR</b>	-	US61958696 19960326 [1996US-0619586] WOUS9600524 19960102 [1996WO-US00524] US108195P 19950712 [1995US-P001081]
<b>IC</b>	-	(A) C12M-001/30 C12Q-001/66
<b>EC</b>	-	B01L-003/00C6 C12M-001/30 C12Q-001/00 C12Q-001/66 G01N-033/12
<b>PCL</b>	-	ORIGINAL (O) : 435008000; CROSS-REFERENCE (X) : 435030000 435287600 435287700 435288200 435288700 435309100
<b>DT</b>	-	Basic
<b>CT</b>	-	US3713780; US3776220; US4099920; US4150950; US4239745; US4239852; US4353868; US4409988; US4707450; US4770853; US4774173; US4806415; US4929546; US5077200; US5200311; US5223401; US5223402; US5238649; US5266266; US5283180; US5354663; US5374535; EP155747; EP0309429; EP0592503; WO9309431; WO9525948; WO9614570 U.S. Dept. of Agriculture, FSIS Directive 7370.2, pp. 1-8, Jun. 28, 1995.  Charm Sciences Inc. in collaboration with Vienna Beef, "HACCP Friendly Testing System" (5 pp) No Date Provided.  Lighting product brochure, IDEXX Laboratories, Inc., Feb. 1995 Davis, Carl E. et al, "Rapid Fluorometric Analysis of Acid Phosphatase Activity in Cooked Poultry Meat", Journal of Food Protection, vol. 57, Dec. 1994.  BioOrbit Handbook of ATP-Hygiene Monitoring, "A guide to the effective use of the Bio-Orbit Hygiene Monitoring System".
<b>STG</b>	-	(A) United States patent
<b>AB</b>	-	PCT No. PCT/US96/00524 Sec. 371 Date Mar. 26, 1996 Sec. 102(e) Date Mar. 26, 1996 PCT Filed Jan. 2, 1996 PCT Pub. No. WO97/03209 PCT Pub. Date Jan. 30, 1997 The invention concerns a test apparatus for the testing of a test sample on or in a material, such as body fluids or food, particularly adapted to a bioluminescent test, such as for the detection of ATP or phosphatase or other materials. The test apparatus includes a transparent tube having at one end a sample unit and at the other end a detachable or nondetachable test unit which are connected, and which includes a cover with a probe containing a swab at one end. The test apparatus includes probe positioning marks on the exterior of the sample unit, so that the probe may be moved between selected test positions, and as it moves from a non-use to a use position, various test reagents which are sealed within the test unit are punctured by the probe, and the test sample and the test reagents are reacted together in the test unit.

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1 / 1 LGST - ©LEGSTAT		
PN	-	US 5827675 [US5827675]
AP	-	US 619586/96 19960326 [1996US-0619586]
DT	-	US-P
ACT	-	19960326 US/AE-A APPLICATION DATA (PATENT) US 619586/96 19960326 [1996US-0619586]  19960326 US/AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST CHARM SCIENCES, INC. 36 FRANKLIN STREET MALDEN, MASSACHUSETTS 02148 * SKIFFINGTON, RICHARD : 19960318; ZOMER, ELIEZER : 19960318  19981027 US/A PATENT
UP	-	2000-04

Query/Command : file inpadoc

PLUSPAT - Time in minutes : 0,50  
The cost estimation below is based on Questel's  
standard price list

Estimated cost :	1.10	USD
Records displayed and billed :	1	
Estimated cost :	1.10	USD
Cost estimated for the last database search :	2.20	USD
Estimated total session cost :	2.83	USD

LGST - Time in minutes : 0,36  
The cost estimation below is based on Questel's  
standard price list

Estimated cost :	0.39	USD
Records displayed and billed :	1	
Estimated cost :	0.57	USD
Legal-Status informations :	1	
Estimated cost :	4.92	USD
Cost estimated for the last database search :	5.88	USD
Estimated total session cost :	8.71	USD

CRXX - Time in minutes : 0,01  
The cost estimation below is based on Questel's  
standard price list

Estimated cost :	0.01	USD
Cost estimated for the last database search :	0.01	USD
Estimated total session cost :	8.72	USD

PAST - Time in minutes : 0,01  
The cost estimation below is based on Questel's  
standard price list

Estimated cost :	0.01	USD
Cost estimated for the last database search :	0.01	USD

# Questel·Orbit QWEB

Estimated total session cost : 8.73 USD

LITA - Time in minutes : 0,02  
The cost estimation below is based on Questel's standard price list

Estimated cost : 0.03 USD  
Cost estimated for the last database search : 0.03 USD  
Estimated total session cost : 8.76 USD

Selected file: INPADOC

You are now connected to INPADOC  
Covers 1968/1973 thru weekly updates (2002-28)  
For information on content, (...)INFO INPD.

Search statement 1

**Query/Command : fam us5827675/pn**

1 Patent Groups

## \*\* SS 1: Results 10

Search statement 2

**Query/Command : famstate nonstop**

1 / 10 INPADOC - ©INPADOC		
PN	-	AU 47568/96 A1 19970210 [AU9647568]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD; ZOMER ELIEZER
PA	-	CHARM SCIENCES INC
AP	-	AU 47568/96-A 19960102 [1996AU-0047568]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585] WO 9600524/96(US)-W 19960102 [1996WO-US00524]
IC	-	C12Q-001/66; C12M-001/34
2 / 10 INPADOC - ©INPADOC		
PN	-	AU 713409 B2 19991202 [AU-713409]

Questel·Orbit QWEB

TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD; ZOMER ELIEZER
PA	-	CHARM SCIENCES INC
AP	-	AU 47568/96-A 19960102 [1996AU-0047568]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585] WO 9600524/96(US)-W 19960102 [1996WO-US00524]
IC	-	C12Q-001/66; C12M-001/34
3 / 10 INPADOC - ©INPADOC		
PN	-	CA 2226857 AA 19970130 [CA2226857]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	CA 2226857/96-A 19960102 [1996CA-2226857]
PR	-	US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12Q-001/18; C12M-001/26; C12M-001/34; C12M-001/40; C12Q-001/42; G01N-033/52
1 / 1 LEGALI - ©LEGSTAT		
PN	-	CA 2226857 [CA2226857]
DT	-	CA-P
ACTE	-	19980113 CA/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
UP	-	1998-31
4 / 10 INPADOC - ©INPADOC		
PN	-	EP 861330 A1 19980902 [EP-861330]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]

Questel·Orbit QWEB

AP	-	EP 96903494/96-A 19960102 [1996EP-0903494]
PR	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/34
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PN	-	EP 861330 [EP-861330]
AP	-	EP 96903494/96 19960102 [1996EP-0903494]
DT	-	EP-P
ACTE	-	19960102 EP/AE-A EP-APPLICATION EP 96903494/96 19960102 [1996EP-0903494]  19980902 EP/AK-A1 [+] DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: BE DE DK FR GB NL SE  19980902 EP/A1 [+] PUBLICATION OF APPLICATION WITH SEARCH REPORT  19980902 EP/17P [+] REQUEST FOR EXAMINATION FILED 980211  19980923 EP/RPR1 PRIORITY (CORRECTION) US 950712 1081 P * US 951127 7585 P  19990203 EP/AK-A4 [+] DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: BE DE DK FR GB NL SE  19990203 EP/A4 [+] SUPPLEMENTARY SEARCH REPORT 981221  20010314 EP/17Q [+] FIRST EXAMINATION REPORT 20010125
UP	-	2001-11



5 / 10 INPADOC - ©INPADOC

PN	-	EP 861330 A4 19990203 [EP-861330]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
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PA	-	CHARM SCIENCES INC [US]
AP	-	EP 96903494/96-A 19960102 [1996EP-0903494]
PR	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/34
DS	-	BE* DE* DK* FR* GB* NL* SE*

1 / 1 LEGALI - ©LEGSTAT

PN	-	EP 861330 [EP-861330]
AP	-	EP 96903494/96 19960102 [1996EP-0903494]
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		20010314 EP/17Q [+] FIRST EXAMINATION REPORT 20010125
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PN	-	JP 11514849 T2 19991221 [JP11514849]
AP	-	JP 505775/96-A 19960102 [1996JP-0505775]
PR	-	WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12M-001/34; C12Q-001/00; C12Q-001/66; G01N-033/48; G01N-033/52
7 / 10 INPADOC - ©INPADOC		
PN	-	US 6180395 BA 20010130 [US6180395]
TI	-	REAGENT CHAMBER FOR TEST APPARATUS AND TEST APPARATUS
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	US 396127/99-A 19990914 [1999US-0396127]
PR	-	US 396127/99-A 19990914 [1999US-0396127] US 93433/98-A1 19980608 [1998US-0093433] US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12M-001/30
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PN	-	US 6180395 [US6180395]
AP	-	US 396127/99 19990914 [1999US-0396127]
DT	-	US-P
ACTE	-	19990914 US/AE-A APPLICATION DATA (PATENT) US 396127/99 19990914 [1999US-0396127]  20010130 US/BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)  20020402 US/RF REISSUE APPLICATION FILED 20011206

Questel·Orbit QWEB

UP	-	2002-17
8 / 10 INPADOC - ©INPADOC		
PN	-	US 5827675 A 19981027 [US5827675]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	US 619586/96-A 19960326 [1996US-0619586]
PR	-	US 619586/96-A 19960326 [1996US-0619586] WO 9600524/96(US)-W 19960102 [1996WO-US00524] US 1081/95-P 19950712 [1995US-P001081]
IC	-	C12Q-001/66; C12M-001/30
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PN	-	US 5827675 [US5827675]
AP	-	US 619586/96 19960326 [1996US-0619586]
DT	-	US-P
ACTE	-	19960326 US/AE-A APPLICATION DATA (PATENT) US 619586/96 19960326 [1996US-0619586]  19960326 US/AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST CHARM SCIENCES, INC. 36 FRANKLIN STREET MALDEN, MASSACHUSETTS 02148 * SKIFFINGTON, RICHARD : 19960318; ZOMER, ELIEZER : 19960318  19981027 US/A PATENT
UP	-	2000-04
9 / 10 INPADOC - ©INPADOC		
PN	-	US 5965453 A 19991012 [US5965453]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]
AP	-	US 93433/98-A 19980608 [1998US-0093433]
PR	-	US 93433/98-A 19980608 [1998US-0093433]

Questel·Orbit QWEB

		US 1081/95-P 19950712 [1995US-P001081] US 7585/95-P 19951127 [1995US-P007585]
IC	-	C12Q-001/66; C12M-001/30
1 / 1 LEGALI - ©LEGSTAT		
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AP	-	US 93433/98 19980608 [1998US-0093433]
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ACTE	-	19980608 US/AE-A APPLICATION DATA (PATENT) US 93433/98 19980608 [1998US-0093433]  19991012 US/A PATENT
UP	-	1999-52
10 / 10 INPADOC - ©INPADOC		
PN	-	WO 9703209 A1 19970130 [WO9703209]
TI	-	TEST APPARATUS, SYSTEM AND METHOD FOR THE DETECTION OF TEST SAMPLES
LA	-	ENG
IN	-	SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
PA	-	CHARM SCIENCES INC [US]; SKIFFINGTON RICHARD [US]; ZOMER ELIEZER [US]
AP	-	WO US 9600524/96(US)-A 19960102 [1996WO-US00524]
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AP	-	JP 505775/97 - [1997JP-0505775]
DT	-	JP-A
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UP	-	1999-38

## 2 / 4 LEGALI - ©LEGSTAT

<b>PN</b>	-	US 619586/96
<b>AP</b>	-	US 619586/96 - [1996US-0619586]
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<b>UP</b>	-	1998-31

## 3 / 4 LEGALI - ©LEGSTAT

<b>PN</b>	-	CA 2226857 [CA2226857]
<b>DT</b>	-	CA-P
<b>ACTE</b>	-	19980113 CA/REFW-P CORRESPONDS TO PCT APPLICATION <WO 9703209> [WO9703209]
<b>UP</b>	-	1998-31

## 4 / 4 LEGALI - ©LEGSTAT

<b>PN</b>	-	WO 9703209 [WO9703209]
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<b>DT</b>	-	WO-P
<b>ACTE</b>	-	19960102 WO/AE-A APPLICATION DATA WO 9600524/96(US) 19960102 [1996WO-US00524]  19960326 WO/ENP-A ENTRY INTO THE NATIONAL PHASE IN: <US 96619586 19960326>  19970130 WO/AK-A1 [+] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU CA JP US  19970130 WO/AL-A1 [+] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  19970130 WO/A1 [+] PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT

		<p>19970515 WO/DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE US</p> <p>19970521 WO/121 EP: PCT APP. ART. 158 (1)</p> <p>19980112 WO/ENP-A ENTRY INTO THE NATIONAL PHASE IN: &lt;JP 97505775&gt;</p> <p>19980113 WO/ENP-AA ENTRY INTO THE NATIONAL PHASE IN: &lt;CA 2226857&gt;</p>
UP	-	1999-38